

## MEMORANDUM

**TO:** Governing Board Members

**FROM:** George L. Horne, Deputy Executive Director, Operations and Maintenance

**DATE:** August 4, 2008

**SUBJECT: 4600001477 - C-4 Floodwall**

**Background:** The C-4 basin has an area of approximately 61 square miles and is located in eastern Miami-Dade County and is drained primarily by the C-4 Canal. The C-4 Canal begins in the east borrow canal, L-30, and is connected to three other primary canals: C-2 (Snapper Creek Canal) makes an open connection at SW 117<sup>th</sup> Avenue, C-3 (Coral Gables Canal) makes an open connection just east of the Palmetto Expressway and 7<sup>th</sup> Avenue, and C-5 (Comfort Canal) branches from C-4 at Blue Lagoon north of Coral Gables. Normal flow is from C-4 to C-2, C-3 and C-5. The Cities of Sweetwater and West Miami, as well as portions of unincorporated Miami-Dade County, are subject to frequent flooding during higher than normal rainfall events with water entering buildings during larger events. Also, the cities of Coral Gables and South Miami are indirectly impacted by the drainage conditions in the C-4 basin.

This Work consists of furnishing all materials, labor, tools, and equipment required to construct a floodwall on the north bank of the C-4 canal between S.W. 122<sup>nd</sup> Avenue to the Florida Turnpike. The project also includes construction of an internal drainage system along the north side of the wall. The items of work will include: Clearing and grubbing, demolition, excavation, concrete, sheet pile cut off wall, and drainage.

### **How this helps meet the District's 10-Year Strategic Plan:**

This project is an integral component in the District's 10-year Strategic Plan to improve the District's flood control system.

**Funding Source:** The lowest responsive and responsible bidder is Lucas Marine Construction, LLC with a total amount of \$1,427,750.00, of which \$10,000.00 is budgeted using ad valorem funds under the Operations and Maintenance Capital Program and the remainder is subject to Governing Board approval of FY09 budget.

**This Board item impacts what areas of the District, both resource areas and geography:** This item impacts the Operations and Maintenance resource areas and services in Miami Dade Counties.

**What concerns could this Board item raise?** None. This Request for Bids (RFB) followed standard procurement procedures. The lowest responsive and responsible bidder was selected.

**Why should the Governing Board approve this item?** This work must be pursued expeditiously in order to enhance and improve a key component of the District's flood control system.

GLH/ld